

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Southwest				
FREMONT COUNTY --- 2.3 WNW BARTLETT [40.89, -95.82], 6.4 W PERCIVAL [40.75, -95.92], 5.9 SSW PAYNE [40.59, -95.79], 0.8 ENE HAMBURG REIDS ARPT [40.59, -95.64], 1.0 NNW BARTLETT [40.89, -95.79]				
	06/01/11 00:00 CST		0.50M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations
<p>Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam and periodic heavy rain brought widespread flooding along the River. The river at Nebraska City, which climbed above its 18 foot flood stage in mid April, started June around 23 feet and then began rising by the 10th eventually reaching a record crest a little over 28 feet by the end of the month. The river stayed well above flood stage into July. A levee west and southwest of Hamburg experienced seepage in several areas prompting partial evacuation of Hamburg on the 5th. The levee eventually failed by the middle of June causing extensive flooding of farmland, roads and a few highways near Hamburg, including 10 miles of Interstate 29. Highway 2 that led into Nebraska City was also closed by the middle of June due to flood waters. By the middle of June just under 1,000 people had been evacuated along the river in the Hamburg area, and at least 10 businesses had closed. Sandbagging and development of a second levee near town kept much of the flood waters out of Hamburg during June. Around 600 people in Percival, Bartlett and Paul were evacuated toward the end of the month and on June 30th the levee near Percival failed causing additional flooding and closing of more of Interstate 29.</p>				
HARRISON COUNTY --- 6.4 NW RIVER SIOUX [41.86, -96.15], 7.5 WSW MONDAMIN [41.67, -96.15], 9.1 SSW MODALE [41.49, -96.06], 4.0 WSW MISSOURI VLY [41.54, -95.97], 1.1 N RIVER SIOUX [41.82, -96.05]				
	06/01/11 00:00 CST		0.15M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations
<p>Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the River. The river near Blair started June around 28 feet, flood stage is 26.5 feet, and gradually climbed to a little under 33 feet by the end of the month. County roads and at least one highway and parts of Interstate 29 were flooded as were several parks and recreation areas near the river. Sand bag operations were used near Missouri Valley, Modale and Mondamin where at least 100 to 200 voluntary evacuations of residences were noted. The flooding forced the post office in Modale to move operations to a nearby town. Highway 30 west of Missouri Valley had to have a temporary barrier of large sandbags installed on both sides to keep flood waters at bay that reached the area from a downstream breach. However, anytime heavy rain would fall in that area water would pond on the highway causing a temporary closure. Flooding along the Missouri continued through July and into August.</p>				
MILLS COUNTY --- 6.7 NW FOLSOM [41.17, -95.91], 7.9 W TABOR [40.89, -95.82], 6.3 W TABOR [40.90, -95.79], 5.6 NNW FOLSOM [41.18, -95.85]				
	06/01/11 00:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations
<p>Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the River. At Plattsmouth the river started June around 30 feet, flood stage is 26 feet, and eventually reached a little over 36 feet by the end of the month. The flooding affected marshes and farmland along the river and a few roads and recreational areas were also flooded. The water treatment plant and wellheads near Glenwood were sandbagged to prevent flood waters from reaching them. By the middle of June about 125 of the 500 residences along the river had left their dwellings. The flooding persisted into July.</p>				
MONONA COUNTY --- 5.4 NW ALBATON [42.23, -96.38], 5.3 WSW BLENCOE [41.89, -96.17], 3.9 SSW BLENCOE [41.88, -96.12], 2.9 ESE ALBATON [42.16, -96.25], 3.8 N ALBATON [42.23, -96.30]				
	06/01/11 00:00 CST		20K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations
<p>Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the River. In Monona county the flooding generally began during the first week of the month as the gauge at Decatur didn't surpass flood stage until around June 6th. Flooding in Monona county initially was mainly confined to agricultural lowlands, recreation areas and roads near the river but then started threatening Blencoe which started sandbag operations as did other businesses from Blencoe to Onawa. The flooding forced the post office in Blencoe to move operations to a nearby town. Late in the month the Highway 175 bridge over the Missouri between Decatur and Onawa was closed due to erosion of the abutment on the Iowa side of the bridge. The flooding persisted into July.</p>				
POTTAWATTAMIE COUNTY --- 9.5 WNW GRABLE [41.52, -96.09], 3.8 WNW ASCOT [41.37, -95.97], 1.5 N COUNCIL BLUFFS ARPT [41.29, -95.93], 4.1 SW LAKE MANAWA [41.17, -95.90], 1.3 WNW DUMFRIES [41.19, -95.80], 0.9 S CRESCENT [41.36, -95.87], 0.1 ESE GRABLE [41.47, -95.92], 5.0 NW LOVELAND [41.55, -95.97]				
	06/01/11 00:00 CST		0.20M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the River. The river near Omaha climbed to around its 29 foot flood stage late in May, and then continued rising to a little under 36 feet by the end of June. The flooding in Pottawattamie county closed several parks and recreation areas and flooded parking lots and parts of the parking garage of 2 riverboat casinos. Some roads along the river also flooded including 16 miles of Interstate 29 north of Council Bluffs. At least 100 homes in Council Bluffs were evacuated and about 10 businesses were closed. Tens of thousands of sandbags were filled and deployed to help shore up weak spots in the federal levee in the Council Bluffs area. The flooding persisted into July.</p> <p>A record rain event in May in eastern Montana combined with high water from other storms in April and May and brought high water to the Missouri River chain of reservoirs. Water levels were further increased by the melting of a above normal snow pack in the northern Rockies. The high water levels, plus the threat of flood waters due to the unusually high snow pack in the Rockies and additional heavy rains over the upper Missouri River Basin all contributed to record releases from the Missouri River Reservoirs. Releases from Gavins Point Dam, which is the last in the chain, increased to over 100 kcfs during the first week of June and then rose to around 160 kcfs by the middle of the month. The previous record release was 70 kcfs. The high levels of releases produced flooding which gradually worsened from May into June and then continued through July and into August.</p>				
POTTAWATTAMIE COUNTY --- 3.5 SE CHAUTAUQUA [41.24, -95.76]				
	06/01/11 21:40 CST	0		Hail (0.88 in)
	06/01/11 21:40 CST	0		Source: Trained Spotter
POTTAWATTAMIE COUNTY --- MC CLELLAND [41.33, -95.68]				
	06/01/11 21:45 CST	0		Hail (0.88 in)
	06/01/11 21:45 CST	0		Source: Public
<p>Scattered thunderstorms, a few that produced nickel-size hail, developed over western Iowa during the evening of 6/1 as a warm front began lifting north across the region.</p>				
MONTGOMERY COUNTY --- 1.0 E STANTON [40.98, -95.10]				
	06/09/11 02:40 CST	0		Hail (1.00 in)
	06/09/11 02:40 CST	0		Source: Public
<p>A thunderstorm complex developed after midnight in southeast Nebraska and southwest Iowa. The storms were northwest of a cold front that stalled in northeast Kansas and northwest Missouri and developed as a low level jet increased across the boundary feeding unstable air northwest into the region. The storms produced several large hail reports, one of which was in southwest Iowa.</p>				
HARRISON COUNTY --- 5.0 W PERSIA [41.58, -95.68]				
	06/09/11 08:45 CST	0		Hail (1.00 in)
	06/09/11 08:45 CST	0		Source: Public
<p>Scattered thunderstorms developed and tracked across eastern Nebraska and southwest Iowa during the mid to late morning hours of June 9th. The storms were northwest of a cold front that had stalled in northeast Kansas and northwest Missouri and started to move back into southeast Nebraska. The storms produced several large hail reports, one of them in southwest Iowa.</p>				
PAGE COUNTY --- 0.9 NW BRADYVILLE [40.58, -95.04]				
	06/09/11 21:31 CST	0		Hail (1.00 in)
	06/09/11 21:31 CST	0		Source: Trained Spotter
MILLS COUNTY --- 2.9 SW PACIFIC CITY [41.02, -95.86]				
	06/09/11 21:33 CST	0		Thunderstorm Wind (EG 56 kt)
	06/09/11 21:33 CST	0		Source: Trained Spotter
<p>A spotter estimated that thunderstorm wind gusts of around 65 mph tossed a burn barrel across the yard.</p>				
MILLS COUNTY --- 1.0 E HASTINGS [41.02, -95.50]				
	06/09/11 22:00 CST	0		Thunderstorm Wind (EG 50 kt)
	06/09/11 22:00 CST	0		Source: Trained Spotter
<p>Thunderstorm winds gusts were estimated at 55 to 60 mph by a trained spotter. The storms that night also dropped around 2 inches of rain.</p>				
POTTAWATTAMIE COUNTY --- 0.9 NE CARSON [41.24, -95.42]				
	06/09/11 22:15 CST	0		Thunderstorm Wind (EG 50 kt)
	06/09/11 22:15 CST	0		Source: Trained Spotter
<p>Thunderstorm winds estimated at close to 60 mph downed some 2 to 3 inch in diameter tree limbs.</p>				

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POTTAWATTAMIE COUNTY --- 0.9 NE CARSON [41.24, -95.42]				
	06/09/11 22:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/09/11 22:15 CST		0	Source: Trained Spotter
A trained spotter estimated that thunderstorm wind gusts reached at least 60 mph. The storm was accompanied by pea-size hail.				
MILLS COUNTY --- 0.7 N STRAHAN [40.96, -95.52]				
	06/09/11 22:40 CST		0	Hail (1.00 in)
	06/09/11 22:40 CST		0	Source: Trained Spotter
MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]				
	06/10/11 00:00 CST		0	Heavy Rain
	06/10/11 02:00 CST		0	Source: AWOS
Rainfall of 2.8 inches fell from thunderstorms at the Red Oak Awos in a several hour period . The storm total was a little over 3 inches. The heavy rain produced some minor street flooding in town.				
MILLS COUNTY --- 0.9 NE MALVERN [41.01, -95.59]				
	06/10/11 01:00 CST		0	Heavy Rain
	06/10/11 05:00 CST		0	Source: Trained Spotter
A spotter reported around 3 inches of rain from thunderstorms overnight.				
Scattered thunderstorms developed near a warm front along the Nebraska and Kansas border in the early evening of June 9th. One storm produced large hail as it moved into far southeast Nebraska. Additional thunderstorms, some severe with large hail and strong winds, developed farther north toward the Omaha area as an upper level disturbance began tracking toward the region. These storms then tracked into western Iowa.				
FREMONT COUNTY --- 5.8 S PAYNE [40.59, -95.77], 4.1 W HAMBURG REIDS ARPT [40.59, -95.73], 3.9 W HAMBURG [40.61, -95.72], 4.3 S PAYNE [40.61, -95.75]				
	06/13/11 10:00 CST		0.10M	Flash Flood (due to Dam / Levee Break)
	06/13/11 15:00 CST		0	Source: County Official
A federal levee along the Missouri River failed causing flash flooding of several farmsteads southwest of Hamburg . The flood waters also flooded across a local highway and eventually reached Interstate 29 and a levee surrounding Hamburg.				
A federal levee southwest of Hamburg failed causing the Missouri River to flash flood across several farmsteads in the area and eventually across a highway and Interstate 29 then toward the Hamburg area.				
MILLS COUNTY --- 2.9 SW PACIFIC CITY [41.02, -95.86]				
	06/14/11 21:48 CST		0	Hail (0.75 in)
	06/14/11 21:48 CST		0	Source: Trained Spotter
PAGE COUNTY --- 2.1 NNW BINGHAM [40.76, -95.29]				
	06/14/11 22:38 CST		0	Hail (1.00 in)
	06/14/11 22:38 CST		0	Source: Trained Spotter
Hail up to quarter-size was accompanied by winds estimated at 40 to 50 mph. The hail and wind shredded some corn fields in the area.				
A cluster of thunderstorms developed along a cold front in north central Nebraska during the late afternoon of June 14. These storms tracked southeast during the evening hours and gradually shrunk in coverage as they crossed into southwest Iowa. However, one storm managed to produce hail around quarter-size before weakening.				
HARRISON COUNTY --- 0.5 E PERSIA [41.58, -95.57], 3.0 SE PERSIA [41.55, -95.54]				
	06/17/11 19:22 CST		0	Hail (1.00 in)
	06/17/11 19:35 CST		0	Source: Trained Spotter
Hail up to quarter-size fell for an extended period in the Persia area.				
An isolated slow moving thunderstorm developed on a weak boundary in west central Iowa. Due to moderately high instability present the storm produced a relatively prolonged period of hail in the Persia area.				
FREMONT COUNTY --- 2.1 NW PAYNE [40.69, -95.78]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/19/11 21:00 CST		0	Hail (1.00 in)
	06/19/11 21:00 CST		0	Source: Law Enforcement
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PAGE COUNTY --- 2.1 NNW SHAMBAUGH [40.68, -95.04]				
	06/19/11 21:00 CST		0	Hail (1.00 in)
	06/19/11 21:00 CST		0	Source: Law Enforcement
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PAGE COUNTY --- 0.9 NW CLARINDA [40.74, -95.04]				
	06/19/11 21:03 CST		0	Hail (0.88 in)
	06/19/11 21:03 CST		0	Source: Law Enforcement
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FREMONT COUNTY --- 0.5 E SIDNEY [40.75, -95.64]				
	06/19/11 22:15 CST		0	Hail (1.75 in)
	06/19/11 22:15 CST		0	Source: Law Enforcement
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PAGE COUNTY --- 0.7 S SHENANDOAH [40.76, -95.37]				
	06/19/11 22:23 CST		0	Hail (0.88 in)
	06/19/11 22:23 CST		0	Source: Law Enforcement
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MILLS COUNTY --- 2.9 SW PACIFIC CITY [41.02, -95.86]				
	06/20/11 00:54 CST		0	Hail (0.75 in)
	06/20/11 00:54 CST		0	Source: Trained Spotter
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HARRISON COUNTY --- 0.9 SE LOGAN [41.64, -95.79]				
	06/20/11 02:08 CST		0	Hail (1.50 in)
	06/20/11 02:08 CST		0	Source: Trained Spotter
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<p>Supercell Thunderstorms developed in a short line from southeast Nebraska into southwest Iowa during the late evening of June 19th. The storms formed near a weak warm front that separated dew point temperatures in the lower 70s south of the boundary with slightly drier conditions to the north. The storms produced mainly large hail and at least one tornado near the Iowa and Missouri Border north of Tarkio, Missouri. A little later that night another line formed along and a little south of Highway 30 from around Columbus into western Iowa. These storms produced strong winds, a few large hail reports and a band of heavy rain of 2 to 3 inches.</p>				
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POTTAWATTAMIE COUNTY --- COUNCIL BLUFFS [41.27, -95.87]				
	06/20/11 19:25 CST		0	Thunderstorm Wind (EG 55 kt)
	06/20/11 19:35 CST		0	Source: Newspaper
<p>Thunderstorm wind gusts estimated at over 60 mph caused tree damage across parts of Council Bluffs which in turned downed power lines knocking out power to around 4,000 people in town.</p>				
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HARRISON COUNTY --- 0.7 S MISSOURI VLY [41.56, -95.90]				
	06/20/11 19:30 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 19:30 CST		0	Source: Law Enforcement
<p>Thunderstorm wind gusts estimated at around 70 mph downed trees and power lines in Missouri Valley.</p>				
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HARRISON COUNTY --- 0.9 SE LOGAN [41.64, -95.79]				
	06/20/11 19:30 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 19:30 CST		0	Source: Law Enforcement
<p>Thunderstorm winds estimated at around 70 mph downed trees and power lines in the Logan area.</p>				
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MONONA COUNTY --- BLENCOE [41.93, -96.08]				
	06/20/11 19:43 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 19:43 CST		0	Source: Emergency Manager
<p>Thunderstorm wind gusts estimated at around 70 mph downed trees and power lines in the Blencoe area. Some of the fallen trees also caused house damage in town.</p>				
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HARRISON COUNTY --- 2.1 N RIVER SIOUX [41.83, -96.05]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/20/11 19:45 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/11 19:45 CST		0	Source: COOP Observer

A thunderstorm wind gust estimated at around 70 mph downed at least 1 large tree northwest of Little Sioux.

MONONA COUNTY --- 5.4 WSW MOORHEAD [41.90, -95.97], 3.3 ESE TURIN [42.00, -95.91]

06/20/11 19:45 CST	0	Tornado (EF1, L: 7.13 mi , W: 300 yd)
06/20/11 19:53 CST	0	Source: NWS Storm Survey

A NWS storm survey determined a tornado tracked around 7 miles southeast of the Turin area. The tornado touched down near county roads E60 and L14 producing sporadic tree damage. The tornado tracked north northeast hitting a farmstead along L14 uprooting trees, downing power lines and destroying a grain bin. The tornado then moved across the Loess Hills producing varying degrees of tree damage. After crossing county roads E54 and 277th street additional tree and farm outbuilding damage occurred. Part of a roof of a farm house was removed near 258th Street with outbuildings also damaged in that area. The tornado knocked down some power lines near county road L16 before lifting in that area. The average path width was determined to be around 300 yards.

MONONA COUNTY --- 1.1 S MAPLETON [42.15, -95.80], 0.5 E MAPLETON [42.17, -95.79]

06/20/11 20:05 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 20:12 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at around 70 mph blew over a semi on Highway 141 and also blew a grain bin across the highway southwest of Mapleton. The winds also downed trees and power lines in the Mapleton area and caused scattered building damage.

MONTGOMERY COUNTY --- 0.9 NW HAWTHORNE [41.01, -95.36]

06/20/11 20:24 CST	0	Thunderstorm Wind (EG 52 kt)
06/20/11 20:24 CST	0	Source: Law Enforcement

A thunderstorm wind gust was estimated at around 60 mph west of Red Oak.

A large upper level low pressure system moved from northwest Kansas into south central Nebraska during the late afternoon and evening of June 20. Temperatures and dew point temperatures ahead of the low climbed to around 90 and lower 70s respectively near and south of a warm front that extended east northeast from low pressure in southwest Nebraska. Strong levels of wind shear combined with the high instability to produce several spiral bands of embedded supercell thunderstorms that produced fairly widespread wind damage and at least 2 tornadoes across the region.

POTTAWATTAMIE COUNTY --- 1.5 NNW LAKE MANAWA [41.24, -95.86], 0.8 ESE LAKE MANAWA [41.22, -95.84], 2.7 W LAKE MANAWA [41.22, -95.90], 1.0 WNW COUNCIL BLUFFS [41.28, -95.89], 1.3 NE COUNCIL BLUFFS [41.28, -95.85]

06/25/11 05:48 CST	1K	Flash Flood (due to Heavy Rain)
06/25/11 07:48 CST	0	Source: Law Enforcement

Torrential rain caused relatively brief flash flooding of numerous streets in the Council Bluffs area.

Thunderstorms developed in central Nebraska on the nose of a low level jet that fed unstable air into eastern Nebraska. These thunderstorms tracked east across east central Nebraska during the late night hours of June 25th and produced a narrow band of 2 to 3 inch rainfall from near David City through Omaha and Council Bluffs. The rain fell in a several hour period and produced isolated flash flooding, mainly in the Omaha and Council Bluffs area.

MONONA COUNTY --- 2.8 N ONAWA [42.07, -96.09]

06/26/11 18:45 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 18:45 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated at around 60 mph a little north of the Onawa area.

HARRISON COUNTY --- 3.3 NW CALIFORNIA JCT [41.85, -96.03]

06/26/11 18:52 CST	0	Thunderstorm Wind (EG 56 kt)
06/26/11 18:52 CST	0	Source: COOP Observer

Thunderstorm wind gusts estimated at over 60 mph downed a large tree and also snapped and pushed over some corn in the area.

HARRISON COUNTY --- 1.3 SE PISGAH [41.82, -95.91], 4.8 ESE PISGAH [41.81, -95.84]

06/26/11 18:55 CST	0	Tornado (EF0, L: 3.60 mi , W: 100 yd)
06/26/11 19:00 CST	0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A brief EF0 tornado spun up on the leading edge of a squall line about 1.2 miles southeast of Pisgah. Trees were snapped or uprooted from the tornado. The tornado ended about 1/2 mile east of Highway F20L and 135th St.				

SHELBY COUNTY --- HARLAN [41.65, -95.33]

06/26/11 19:28 CST	0	Thunderstorm Wind (MG 50 kt)
06/26/11 19:35 CST	0	Source: AWOS

Thunderstorm wind gusts were measured at 58 mph by the Awos in Harlan at 835 pm CDT, while a spotter estimated a wind gust about that same magnitude in the area at 828 pm.

SHELBY COUNTY --- 0.9 SW IRWIN [41.79, -95.21]

06/26/11 19:32 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 19:32 CST	0	Source: Public

The public estimated that thunderstorm wind gusts reached around 60 mph in the Irwin area.

MONONA COUNTY --- 0.5 E ONAWA [42.03, -96.09]

06/26/11 19:34 CST	0	Thunderstorm Wind (EG 55 kt)
06/26/11 19:34 CST	0	Source: Public

Thunderstorm wind gusts estimated at over 60 mph downed trees in the Onawa area which blocked a few roads. Torrential rain also caused some brief street flooding in town.

MONONA COUNTY --- 3.8 SSE CASTANA [42.03, -95.89]

06/26/11 19:35 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 19:35 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated at around 60 mph by a spotter about 10 miles east of Onawa.

MILLS COUNTY --- 1.6 E GLENWOOD [41.05, -95.74]

06/26/11 19:41 CST	0	Hail (1.75 in)
06/26/11 19:41 CST	0	Source: Trained Spotter

POTTAWATTAMIE COUNTY --- 0.7 S OAKLAND [41.31, -95.40]

06/26/11 19:54 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 19:54 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated at around 60 mph.

PAGE COUNTY --- 1.4 N BLANCHARD [40.60, -95.22]

06/26/11 20:00 CST	0	Heavy Rain
06/27/11 06:00 CST	0	Source: Trained Spotter

Rainfall of a little under 2.75 inches in the Blanchard area was recorded this night. The heavy rain in southwest Iowa helped produce flooding along the Nishnabotna and Nodaway Rivers.

MILLS COUNTY --- 2.1 SSW HASTINGS [40.99, -95.53]

06/26/11 20:20 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 20:20 CST	0	Source: Trained Spotter

Thunderstorm wind gusts were estimated at around 60 mph by a spotter.

FREMONT COUNTY --- FARRAGUT [40.72, -95.47], 3.8 SSW SHENANDOAH [40.72, -95.40]

06/26/11 20:50 CST	0	Thunderstorm Wind (EG 55 kt)
06/26/11 20:50 CST	0	Source: Newspaper

Thunderstorm wind gusts estimated at over 60 mph downed some trees and caused some grain bin and other outbuilding damage from around Farragut to near Shenandoah.

PAGE COUNTY --- ESSEX [40.83, -95.30]

06/26/11 20:52 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 20:52 CST	0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Thunderstorm winds estimated at 60 mph downed large tree limbs in the area and were also accompanied by torrential rain.				
PAGE COUNTY --- 1.5 NNW SHAMBAUGH [40.67, -95.04], 1.2 NW BRADYVILLE [40.58, -95.05], 2.5 ENE BRADYVILLE [40.59, -94.99], 2.7 W HAWLEYVILLE [40.77, -94.97], 3.3 N CLARINDA [40.78, -95.02]				
	06/26/11 23:00 CST		6K	Flood (due to Heavy Rain)
	06/27/11 12:30 CST		0	Source: Official NWS Observations

Rainfall of 1 to 3 inches in less than a 12 hour time period brought lowland flooding along the Nodaway River in southwest Iowa. The river near Clarinda crested around 22 feet in the morning of 6/27, flood stage is 19 feet. The river flooded a few county roads and adjacent farm land.

FREMONT COUNTY --- 2.9 E PAYNE [40.68, -95.70], 2.6 WSW HAMBURG [40.59, -95.70], 2.3 E HAMBURG [40.60, -95.61], 1.2 W RIVERTON [40.68, -95.59]				
	06/27/11 04:30 CST		2K	Flood (due to Heavy Rain)
	06/28/11 12:00 CST		0	Source: Official NWS Observations

Rainfall of 1 to 3 inches in less than a 12 hour time period brought lowland flooding along the Nishnabotna River in southwest Iowa. The river near Hamburg crested a little over its 23 foot flood stage during the afternoon of 6/27. The river flooded mainly farm land along the river but significant flooding from the Missouri River was ongoing in the area already.

An upper level disturbance that lifted across the Rockies and into the Dakotas sent a cold front across eastern Nebraska and southwest Iowa during the late evening and overnight hours of June 26th and 27th. In addition, a warm front extended ahead of the cold front near the Kansas border. Moderate to high amounts of instability and wind shear allowed several clusters of severe thunderstorms to race across the area both ahead of and along the cold front. Bowing segments across northeast Nebraska and west central Iowa produced areas of very strong damaging winds. Slower moving supercell thunderstorms that developed north of the warm front produced a few large hail and strong wind reports in southwest Iowa along with very heavy rainfall.

(IA-Z055) HARRISON, (IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE				
	06/30/11 14:00 CST		0	Heat
	06/30/11 19:00 CST		0	

Temperatures that reached the lower to mid 90s over southwest Iowa combined with dew point temperatures in the mid to upper 70s and produced heat index values that climbed into the 105 to 110 degree range during the afternoon and early evening of June 30th.

NEBRASKA, East

BURT COUNTY --- 2.3 NNW DECATUR [42.03, -96.26], 4.8 SE TEKAMAH ARPT [41.71, -96.13], 6.6 ESE TEKAMAH ARPT [41.74, -96.06], 4.0 ESE DECATUR MAJOR ARPT [41.92, -96.12], 4.3 NE DECATUR [42.04, -96.18]				
	06/01/11 00:00 CST		0.10M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the river. In Burt county the flooding generally began during the first week of the month as the gauge at Decatur didn't surpass flood stage until around June 6th. However, by the middle of the month the gauge had climbed above 38 feet and reached around 40 feet by the end of the month. Flood stage at Decatur is 35 feet. Flooding in Burt county especially affected agricultural lowlands, recreation areas and roads near the river but also forced evacuation of 150 to 200 homes. Late in the month the Highway 175 bridge over the Missouri between Decatur and Onawa was closed due to erosion of the abutment on the Iowa side of the bridge. The flooding persisted into July.

CASS COUNTY --- 2.2 N PLATTSBOUTH [41.05, -95.91], 2.3 ESE UNION [40.81, -95.86], 3.8 E UNION [40.82, -95.83], 5.9 E MURRAY [40.93, -95.81], 3.7 ENE PLATTSBOUTH [41.05, -95.84]				
	06/01/11 00:00 CST		0.25M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. The river at Plattsouth started the month around 30 feet, flood stage is 26 feet. The river then gradually rose through June reaching a little over 36 feet by the end of the month. The river remained in major flood stage into July. The high water initially flooded marshy areas and farmland along the river along with a few roads and recreation areas, including a road to the Plattsouth water treatment plant. By the middle of the month some businesses and homes began to flood and most of 210 dwellings around Lake Waconda in the area were evacuated.

CEDAR COUNTY --- 3.1 N ATEN [42.84, -97.48], 2.9 SE ST HELENA [42.79, -97.21], 4.0 NNE OBERT [42.73, -96.99], 6.8 NE OBERT [42.75, -96.94], 5.4 NNE WYNOT [42.82, -97.12], 1.5 NNE ST HELENA [42.84, -97.24], 6.6 NW ST HELENA [42.87, -97.36]				
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Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/11 00:00 CST		15K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought areas of lowland flooding along the river. In Cedar county the flooding generally began during the first week of the month as flows out of Gavins Point Dam reached and exceeded 100,000 cfs on the way to 160,00 cfs. A few seasonal or permanent homes were threatened by the flood waters, but in general the flooding was confined to low areas and farmland along the river. The flooding continued into July.

DOUGLAS COUNTY --- 1.8 NW EAST OMAHA [41.39, -95.97], 1.2 SSE NORTH OMAHA [41.31, -95.96], 2.4 SE ALBRIGHT [41.19, -95.94], 2.9 ESE SOUTH OMAHA [41.21, -95.90], 2.1 NE (OMA)EPPLEY FLD OMAH [41.32, -95.87]				
	06/01/11 00:00 CST		3M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. At Omaha the river climbed to around its 29 foot flood stage late in May and rose steadily through June reaching around 35 feet late in the month. The flooding in Douglas county along the Missouri River closed several parks, boating accesses, and recreational areas. Low areas around downtown on the river side of the Levee began flooding when a flood wall was installed. The south Omaha waste water treatment plant was forced to send 6 million gallons of waste water daily into the river early in June due to flood waters affecting the facility. The high water and persistent pressure on levees forced Eppley Airfield and other businesses to constantly monitor the situation and have pumps on standby as either rains, storm sewer backups or minor boils near the levee would force pumping of the water back over the levee. By June 22nd Eppley had already spent 2.5 million dollars on flood prevention. Burlington Northern had to shut down one of its tracks to allow it to be used as a levee, this forced Amtrak to close that link of service. The flooding persisted into July.

KNOX COUNTY --- 8.0 WNW VERDEL [42.88, -98.33], 3.5 ESE VERDEL [42.81, -98.13], 2.3 WNW NIOBRARA [42.77, -98.07], 2.9 E NIOBRARA [42.76, -97.97], 5.3 SW SANTEE [42.77, -97.89], 0.8 WNW SANTEE [42.84, -97.83]				
	06/01/11 00:00 CST		0.15M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened over the area during June as record releases from Ft. Randal Dam brought widespread flooding along the river. In Knox county the flooding closed Highway 12 between Verdel and Niobrara and east of Niobrara and also closed Highway 14/37 north of Niobrara. The flooding also forced the evacuation of 50 to 60 residences including the Lazy River Acres area in between Niobrara and Verdel. The flooding carried over into July.

NEMAHA COUNTY --- 3.3 NW PERU [40.52, -95.77], 4.9 SSE NEMAHA [40.26, -95.64], 10.4 ESE NEMAHA [40.26, -95.49], 5.7 NE PERU [40.55, -95.67]				
	06/01/11 00:00 CST		50K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam and periodic heavy rains brought widespread flooding along the river. The Missouri River at Brownville started June around 39 feet, flood stage is 33 feet. The river gradually climbed to a record crest around 45 feet by the end of the month before falling as downstream levees were breached and widened by flooding. However, significant flooding persisted into July. One man drowned early on June 26th when the boat he was fishing in capsized as it traveled from the Little Nemaha River, where it was launched, onto the flood waters of the Missouri River. Roads, including Highway 136 in Missouri, and the access road to a nuclear power plant, flooded as did recreation areas and farmland along the river. The flooding of Highway 136 prompted the closure of the Brownville, Nebraska bridge over the Missouri River. Over 8,000 acres were covered in flood waters at one point early in June and that number likely grew as the month progressed.

OTOE COUNTY --- 7.1 N NEBRASKA CITY ARPT [40.77, -95.88], 3.0 NE ELBERON [40.70, -95.91], 2.4 ESE NEBRASKA CITY [40.64, -95.81], 4.6 ESE PAUL [40.56, -95.80], 8.5 SE PAUL [40.50, -95.75], 10.7 E PAUL [40.55, -95.68]				
	06/01/11 00:00 CST		75K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. The river at Nebraska City, which climbed above its 18 foot flood stage in mid April, started June around 23 feet and then began rising by the 10th eventually reaching a record crest of around 28 feet by the end of the month. The river stayed well above flood stage through July. In Otoe county farmland, roads and recreation areas near the river flooded as did some cabins and a grain elevator near Nebraska City. Flood waters crossed Highway 2 in Fremont county Iowa prompting its closure on both sides of the river.

RICHARDSON COUNTY --- 4.1 NNW BARADA [40.28, -95.60], 3.2 SSE RULO [40.00, -95.42], 9.9 ESE RULO [40.00, -95.25], 7.1 NE BARADA [40.30, -95.50]				
	06/01/11 00:00 CST		50K	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. The river at Rulo started June a little under 23 feet, flood stage is 17 feet. The river rose to a record crest around 27 feet by the end of the month before falling slightly as levees were breached and widened by the flood waters. However, flooding persisted into July. The high water initially flooded marshy areas and farmland along the river, but then it began flooding roads, cabins and recreation areas by the river. Highway 159 in Holt county Missouri flooded by the middle of the month prompting the closure of the Rulo, Nebraska bridge over the Missouri River.				

SARPY COUNTY --- 1.8 NNW AVERY [41.19, -95.94], 1.0 ESE LA PLATTE [41.06, -95.91], 1.4 SSE ST COLUMBANS [41.06, -95.87], 5.2 ENE AVERY [41.19, -95.83]

06/01/11 00:00 CST	50K	Flood (due to Heavy Rain / Snow Melt)
06/30/11 23:59 CST	0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. The river near Omaha climbed to around its 29 foot flood stage late in May and steadily rose through June reaching around 36 feet toward the end of the month. The flooding then persisted into July. The flooding in Sarpy county spread into at least one park causing its closure. Boating and other recreational areas were also either flooded or closed. A section of the rail track that Amtrak used had to be closed to allow for its use as a levee.

THURSTON COUNTY --- 5.2 NE WINNEBAGO [42.28, -96.39], 8.1 SSE MACY [42.02, -96.28], 8.5 ESE MACY [42.07, -96.20], 7.9 ENE WINNEBAGO [42.29, -96.34]

06/01/11 00:00 CST	25K	Flood (due to Heavy Rain / Snow Melt)
06/30/11 23:59 CST	0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened over the area during June as record releases from Gavins Point Dam brought widespread flooding along the river. Releases from Gavins Point Dam reached around 160,000 cfs after mid June and the high flows continued through July. In Thurston county the flooding generally began during the first week of the month as the gauge at Sioux City, upstream, and Decatur, downstream, didn't surpass flood stage until around June 6th. River levels at both of those locations reached the moderate category. Flooding in Thurston county was mostly confined to agricultural lowlands, recreation areas and roads near the river, but the flooding did force the evacuation of 12 people near Macy. The flooding persisted into July.

WASHINGTON COUNTY --- 7.5 NNE BLAIR ARPT [41.69, -96.14], 1.8 E BLAIR [41.55, -96.12], 2.3 S NASHVILLE [41.39, -95.99], 5.8 ESE NASHVILLE [41.39, -95.90], 8.4 NE BLAIR ARPT [41.68, -96.07]

06/01/11 00:00 CST	0.55M	Flood (due to Heavy Rain / Snow Melt)
06/30/11 23:59 CST	0	Source: Official NWS Observations

Flooding along the Missouri River gradually worsened during June as record releases from Gavins Point Dam brought widespread flooding along the river. The river near Blair climbed to around its 26.5 foot flood stage late in May, and then steadily rose into mid to late June climbing to a little over 32 feet during the last week or so of the month. The flooding in Washington county was especially felt in the Fort Calhoun area where at least 60 homes or cabins were flooded or cutoff by flood waters. At least 200 residences in the county were evacuated leaving at least 500 people displaced. This prompted the city to open the high school up for flood victims. Blair spent \$500,000 to build up a levee surrounding its water treatment plant which held through June. The Ft. Calhoun Nuclear power plant was in refueling shut-down when the flooding started in April and because of the high waters it remained shut down through the summer as flood waters surrounded the plant prompting emergency sand-bagging. In addition, recreation areas and roads along the river were flooded. A 58 year-old male drowned when working on a levee near Ft. Calhoun when his truck overturned into flood waters. The flooding persisted into July.

A record rain event in May in eastern Montana combined with high water from storms in April and May (and early spring snow melt) and brought high water to the Missouri River chain of reservoirs. The high water levels plus the threat of flood waters due an unusually high snow pack in the Rockies over the upper Missouri River Basin and additional heavy rain all contributed to record releases from the Missouri River Reservoirs. Releases from Gavins Point Dam, which is the last in the chain, increased to over 100 kcfs during the first week of June and then rose to around 160 kcfs by the middle of the month. The previous record release was 70 kcfs. The high releases produced flooding along the Missouri River which gradually worsened from May into June and then continued into July.

JEFFERSON COUNTY --- 2.5 WSW GLADSTONE [40.15, -97.34]

06/01/11 18:35 CST	0	Hail (0.88 in)
06/01/11 18:35 CST	0	Source: Public

JEFFERSON COUNTY --- PLYMOUTH [40.30, -96.98]

06/01/11 19:15 CST	0	Hail (1.00 in)
06/01/11 19:15 CST	0	Source: Public

Quarter-size hail was accompanied by 61 mph thunderstorm winds in the Plymouth area.

JEFFERSON COUNTY --- PLYMOUTH [40.30, -96.98]

06/01/11 19:15 CST	0	Thunderstorm Wind (MG 53 kt)
06/01/11 19:15 CST	0	Source: Public

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A public report of measured thunderstorm winds of 61 mph caused some roof damage in the area. The winds were accompanied by quarter-size hail.				

GAGE COUNTY --- 3.0 SW ADAMS [40.44, -96.54]				
	06/01/11 19:45 CST		0	Hail (1.00 in)
	06/01/11 19:45 CST		0	Source: Public

OTOE COUNTY --- 3.6 SSW DOUGLAS [40.53, -96.39]				
	06/01/11 20:05 CST		0	Hail (1.00 in)
	06/01/11 20:05 CST		0	Source: Public

OTOE COUNTY --- 0.7 N SYRACUSE [40.66, -96.18]				
	06/01/11 20:35 CST		0	Hail (1.00 in)
	06/01/11 20:35 CST		0	Source: Emergency Manager

WASHINGTON COUNTY --- 6.2 NE SPIKER [41.67, -96.22]				
	06/01/11 20:50 CST		0	Hail (1.00 in)
	06/01/11 20:50 CST		0	Source: Public

BURT COUNTY --- 5.3 SSW TEKAMAH ARPT [41.70, -96.22]				
	06/01/11 20:55 CST		0	Hail (1.75 in)
	06/01/11 20:55 CST		0	Source: Public

Mostly quarter-size but a couple of golf ball-size hail stones fell.

THURSTON COUNTY --- 6.1 E EMERSON [42.28, -96.60]				
	06/01/11 21:10 CST		0	Hail (1.25 in)
	06/01/11 21:10 CST		0	Source: Public

Hail up to half dollar-size was reported.

Scattered thunderstorms, a few severe with large hail, developed over eastern Nebraska during the evening of 6/1 as a warm front began lifting north across the region.

STANTON COUNTY --- 8.0 SW PILGER [41.94, -97.16]				
	06/04/11 00:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/11 00:30 CST		0	Source: Public

Thunderstorm wind gusts estimated at 60 mph uprooted a few trees and broke several large tree limbs southwest of Pilger.

Isolated thunderstorms developed north of a stationary front in southern Nebraska. These storms tracked across northeast Nebraska during the early morning hours of June 4. One storm which bowed out in Stanton county produced an isolated report of wind damage.

OTOE COUNTY --- 0.9 NW PALMYRA [40.71, -96.39]				
	06/09/11 00:01 CST		0	Hail (1.00 in)
	06/09/11 00:01 CST		0	Source: Trained Spotter

LANCASTER COUNTY --- 0.5 W BENNET [40.68, -96.51]				
	06/09/11 00:03 CST		0	Hail (1.75 in)
	06/09/11 00:13 CST		0	Source: Trained Spotter

The hail lasted about 10 minutes and was as large as golf ball size.

LANCASTER COUNTY --- 0.9 SW LANCASTER [40.77, -96.68], 2.2 WSW WALTON [40.79, -96.61]				
	06/09/11 00:35 CST		0	Hail (1.75 in)
	06/09/11 00:45 CST		0	Source: Trained Spotter

Hail of 1 inch to golf ball-size fell across parts of the Lincoln area. The larger hailstones were reported near 27th and Highway 2 and 84 th and Van Dorn Streets.

A thunderstorm complex developed after midnight in southeast Nebraska and southwest Iowa. The storms were northwest of a cold front that stalled in northeast Kansas and northwest Missouri and developed as a low level jet increased across the boundary feeding unstable air northwest into the region. The storms produced several large hail reports.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WAYNE COUNTY --- 1.2 NE WAYNE [42.24, -97.00]				
	06/09/11 11:06 CST		0	Hail (0.88 in)
	06/09/11 11:06 CST		0	Source: Trained Spotter
Dime to nickel-size hail was reported by a spotter in the Wayne area.				
CUMING COUNTY --- 1.2 NE MONTEREY [41.81, -96.80]				
	06/09/11 11:19 CST		0	Hail (1.00 in)
	06/09/11 11:19 CST		0	Source: Trained Spotter
CUMING COUNTY --- 3.2 NNW WEST PT [41.87, -96.75]				
	06/09/11 11:45 CST		0	Hail (0.88 in)
	06/09/11 11:45 CST		0	Source: Trained Spotter
Scattered thunderstorms developed and tracked across eastern Nebraska and southwest Iowa during the mid to late morning hours of June 9th. The storms were northwest of a cold front that had stalled in northeast Kansas and northwest Missouri and started to move back into southeast Nebraska. The storms produced several large hail reports.				
PAWNEE COUNTY --- 1.4 S PAWNEE CITY [40.10, -96.15], 0.2 SSW PAWNEE CITY [40.12, -96.15]				
	06/09/11 20:10 CST		0	Hail (1.00 in)
	06/09/11 20:12 CST		0	Source: Law Enforcement
Hail around quarter-size fell in and a little south of Pawnee City.				
SARPY COUNTY --- 1.0 E GILMORE JCT [41.15, -95.91]				
	06/09/11 21:28 CST		0	Thunderstorm Wind (EG 55 kt)
	06/09/11 21:28 CST		0	Source: Public
The public estimated that thunderstorm wind gusts were a little over 60 mph in the Old Towne area of Bellevue.				
Scattered thunderstorms developed near a warm front along the Nebraska and Kansas border in the early evening of June 9th. One storm produced large hail as it moved into far southeast Nebraska. Additional thunderstorms, some severe with large hail and strong winds, developed farther north toward the Omaha area as an upper level disturbance began tracking toward the region. These storms then tracked into western Iowa.				
CUMING COUNTY --- 3.5 SE BEEMER [41.89, -96.78]				
	06/13/11 07:03 CST		0	Hail (1.00 in)
	06/13/11 07:03 CST		0	Source: Public
Scattered thunderstorms tracked across northern Nebraska during the early morning hours of June 13th. At least one storm produced severe size hail in northeast Nebraska as the complex tracked across the region.				
ANTELOPE COUNTY --- 2.1 S ELGIN [41.95, -98.08]				
	06/14/11 18:31 CST		0	Hail (1.00 in)
	06/14/11 18:31 CST		0	Source: Public
BOONE COUNTY --- 0.9 SW PRIMROSE [41.62, -98.24]				
	06/14/11 18:40 CST		0	Hail (0.75 in)
	06/14/11 18:40 CST		0	Source: Public
Hail around dime-size was accompanied by thunderstorm wind gusts estimated at around 50 mph.				
BOONE COUNTY --- 5.5 SSW PRIMROSE [41.56, -98.28]				
	06/14/11 18:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/14/11 18:40 CST		0	Source: Trained Spotter
A trained spotter estimated that thunderstorm winds reached 55 to 60 mph. The hail was accompanied by small hail which shredded some corn fields in the area.				
PLATTE COUNTY --- 0.5 E COLUMBUS [41.43, -97.36]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/14/11 19:44 CST		0	Hail (0.75 in)
	06/14/11 19:52 CST		0	Source: Trained Spotter

Hail of pea to dime-size fell in the Columbus area from 2 storms that were several minutes apart.

BUTLER COUNTY --- 1.6 W OCTAVIA [41.35, -97.08], 3.0 NW OCTAVIA [41.38, -97.09]

06/14/11 20:00 CST	0	Hail (1.00 in)
06/14/11 20:00 CST	0	Source: Public

The hail was mostly nickel-size but a few up to quarter-size fell west through northwest of Octavia.

SAUNDERS COUNTY --- 0.9 SE ASHLAND [41.04, -96.37]

06/14/11 21:03 CST	0	Hail (0.75 in)
06/14/11 21:03 CST	0	Source: Emergency Manager

Dime-size hail was accompanied by winds estimated at around 50 mph.

A cluster of thunderstorms developed along a cold front in north central Nebraska during the late afternoon of June 14. These storms tracked southeast during the evening hours and produced a few reports of hail up to quarter-size. Wind gusts from the storms were generally 40 to 50 mph but a few stronger gusts were reported.

OTOE COUNTY --- 1.1 E NEBRASKA CITY ARPT [40.67, -95.85]

06/16/11 22:51 CST	0	Hail (0.88 in)
06/16/11 22:51 CST	0	Source: Trained Spotter

MADISON COUNTY --- 1.4 N NORFOLK [42.05, -97.42]

06/17/11 00:35 CST	0	Hail (1.00 in)
06/17/11 00:35 CST	0	Source: Trained Spotter

Scattered thunderstorms developed in eastern Nebraska on the nose of a low-level jet during the late evening hours of June 16. The storms produced a few reports of large hail before either dissipating or moving out of the region by the early morning hours of the 17th.

DODGE COUNTY --- 2.9 E NORTH BEND [41.47, -96.72], 2.7 NW AMES [41.48, -96.67]

06/17/11 17:50 CST	0	Tornado (EF0, L: 2.96 mi , W: 50 yd)
06/17/11 18:05 CST	0	Source: NWS Employee

A narrow land spout-type tornado was on the ground for about 15 minutes in between Fremont and North Bend. The tornado was caught on video by several different people and was viewed by many in the Fremont toward Cedar Bluffs area . The tornado stayed in an open field and did little more than pick up dust.

DODGE COUNTY --- 1.0 N FREMONT [41.46, -96.50], 2.0 WSW FREMONT [41.44, -96.54]

06/17/11 18:36 CST	0	Hail (1.00 in)
06/17/11 19:00 CST	0	Source: Law Enforcement

Hail up to 1 inch in diameter fell from the western and northern sections of Fremont toward the Fremont Lakes area. The hail fell for an extended time due to the slow movement of the thunderstorm that produced it. The hail was a little larger southwest of Fremont, in the Cedar Bluffs area, and hail from this storm fell from the north part of Fremont into Cedar Bluffs and then into Wahoo .

SAUNDERS COUNTY --- 2.2 N CEDAR BLUFFS [41.43, -96.62], 0.7 ESE CEDAR BLUFFS [41.40, -96.61]

06/17/11 18:36 CST	0	Hail (2.00 in)
06/17/11 18:56 CST	0	Source: Public

A slow moving thunderstorm brought a prolonged period of hail that reached up to 2 inches in diameter. The hail caused significant damage to vehicles from a boyscout camp a few miles north of Cedar Bluffs into and southeast of Cedar Bluffs . Some roof damage was also likely in the area. Hail from this storm extended from the western and northern sections of Fremont into Cedar Bluffs and then toward Wahoo .

SAUNDERS COUNTY --- 3.3 SE CEDAR BLUFFS [41.37, -96.57]

06/17/11 19:12 CST	0	Hail (1.50 in)
06/17/11 19:22 CST	0	Source: Amateur Radio

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail lasted for at least 10 minutes a few miles southeast of Cedar Bluffs and reached at least 1.5 inches in diameter. The hail was from the supercell thunderstorm that produced a prolonged period of hail from the north and western sections of Fremont west and southwest through Cedar Bluffs and Wahoo.				

DODGE COUNTY --- 2.8 N NICKERSON [41.57, -96.49]

06/17/11 19:41 CST	0	Funnel Cloud
06/17/11 19:41 CST	0	Source: Amateur Radio

A funnel was caught on video from a storm chaser and also seen by at least one storm spotter. The funnel could have possibly touched down briefly, but no damage was reported.

SAUNDERS COUNTY --- 0.5 E COLON [41.30, -96.61]

06/17/11 20:04 CST	0	Hail (0.88 in)
06/17/11 20:14 CST	0	Source: Trained Spotter

A slow moving supercell thunderstorm brought a prolonged period of hail from the western and northern sections of Fremont west and southwest through Cedar Bluffs and Wahoo. Although only nickel size hail was reported in Colon, the hail was likely a little larger and lasted for at least 10 minutes.

SAUNDERS COUNTY --- WAHOO [41.22, -96.62]

06/17/11 20:28 CST	0	Hail (1.75 in)
06/17/11 20:45 CST	0	Source: Trained Spotter

Hail reached up to around golf ball-size in the Wahoo area. The hail was from a slow moving supercell thunderstorm that brought a prolonged period of hail from the western and northern sections of Fremont west and southwest through Cedar Bluffs and Wahoo.

Isolated slow moving thunderstorms developed on a weak boundary that extended across eastern Nebraska. Although low level wind shear was weak, there was enough instability in the lower levels of the storm that when combined with the weak boundary, at least one land spout-type tornado briefly spun up. In addition, with the slow movement of the storms, hail fell for an extended time at locations from the west side of Fremont toward Cedar Bluffs and Wahoo.

OTOE COUNTY --- 0.9 NE NEBRASKA CITY ARPT [40.68, -95.86]

06/19/11 20:38 CST	0	Hail (1.00 in)
06/19/11 20:38 CST	0	Source: Emergency Manager

From the first of at least 2 supercell thunderstorms that tracked across the town this night.

OTOE COUNTY --- 0.9 NE NEBRASKA CITY ARPT [40.68, -95.86]

06/19/11 21:00 CST	0	Hail (2.50 in)
06/19/11 21:15 CST	0	Source: Public

Hail up to 2.5 inches in diameter fell for about 15 minutes from the second supercell thunderstorm that moved across the Nebraska City area this night.

CASS COUNTY --- 0.5 W EAGLE [40.82, -96.43]

06/19/11 21:15 CST	0	Hail (0.75 in)
06/19/11 21:15 CST	0	Source: Trained Spotter

OTOE COUNTY --- 0.9 NE NEBRASKA CITY ARPT [40.68, -95.86]

06/19/11 21:30 CST	0	Hail (2.00 in)
06/19/11 21:30 CST	0	Source: Trained Spotter

From the second or possibly third supercell thunderstorm that moved across the Nebraska City area this night.

CASS COUNTY --- 1.3 WSW UNION [40.81, -95.92]

06/19/11 22:32 CST	0	Hail (1.75 in)
06/19/11 22:32 CST	0	Source: Law Enforcement

SAUNDERS COUNTY --- 0.9 SE ITHACA [41.16, -96.54]

06/19/11 23:14 CST	0	Hail (2.00 in)
06/19/11 23:14 CST	0	Source: Law Enforcement

Hail up to 2 inches fell in the Ithaca area with some reports of sky lights broken because of the hail.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DODGE COUNTY --- 1.6 W SCRIBNER ARPT [41.62, -96.66]				
	06/20/11 00:08 CST		0	Thunderstorm Wind (EG 52 kt)
	06/20/11 00:08 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at 60 mph downed at least one tree onto power lines. Six center pivots were flipped over in the region as well.				
SAUNDERS COUNTY --- 3.5 S CEDAR BLUFFS [41.35, -96.61], 2.2 WSW CEDAR BLUFFS [41.39, -96.66]				
	06/20/11 00:10 CST		0	Thunderstorm Wind (EG 55 kt)
	06/20/11 00:10 CST		0	Source: Public
Thunderstorm winds estimated at over 60 mph downed tree limbs several inches in diameter south of Cedar Bluffs and destroyed a large metal building west of town. Two center pivots in the area were also flipped.				
DOUGLAS COUNTY --- 0.4 W BOYS TOWN [41.27, -96.14]				
	06/20/11 00:48 CST		0	Hail (0.75 in)
	06/20/11 00:48 CST		0	Source: NWS Employee
Around a mile northwest of Boystown.				
BURT COUNTY --- 0.5 N LYONS [41.94, -96.48]				
	06/20/11 01:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/20/11 01:00 CST		0	Source: COOP Observer
Thunderstorm wind gusts estimated at around 60 mph blew down 2 large trees in the Lyons city park.				
BUTLER COUNTY --- 0.9 SE BELLWOOD [41.34, -97.24]				
	06/20/11 01:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/20/11 01:30 CST		0	Source: Fire Department/Rescue
Thunderstorm wind gusts were estimated at around 60 mph in the Bellwood area.				
BUTLER COUNTY --- 0.9 SE BELLWOOD [41.34, -97.24]				
	06/20/11 01:35 CST		0	Hail (1.75 in)
	06/20/11 01:35 CST		0	Source: Fire Department/Rescue
Hail up to golf ball-size was accompanied by thunderstorm winds estimated at 60 mph.				
SEWARD COUNTY --- SEWARD [40.90, -97.10]				
	06/20/11 03:35 CST		0	Thunderstorm Wind (EG 50 kt)
	06/20/11 03:35 CST		0	Source: Newspaper
A decaying thunderstorm or outflow from a storm northwest of the region caused some tree damage in the Seward area including knocking down 4 large trees on the Concordia University campus.				
DODGE COUNTY --- 0.9 SE SCRIBNER [41.66, -96.66]				
	06/20/11 03:52 CST		0	Heavy Rain
	06/20/11 03:52 CST		0	Source: Trained Spotter
Rainfall of a little over 3 inches was reported in the Scribner area. The rain fell in a several hour period and produced flooding along sections of Maple Creek later that day.				
LANCASTER COUNTY --- (LNK)LINCOLN ARPT [40.85, -96.77]				
	06/20/11 04:01 CST		0	Thunderstorm Wind (MG 55 kt)
	06/20/11 04:01 CST		0	Source: ASOS
A decaying thunderstorm produced a 63 mph wind gust at the Lincoln airport.				
DODGE COUNTY --- 4.3 SE RIDGELEY [41.55, -96.66], 1.3 WSW SCRIBNER ARPT [41.62, -96.65], 2.3 NE NICKERSON [41.56, -96.46], 0.9 ENE NICKERSON [41.54, -96.46]				
	06/20/11 09:00 CST		5K	Flood (due to Heavy Rain)
	06/21/11 01:00 CST		0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A line of heavy rain producing thunderstorms dropped 2 to 3 inches of rain across the Maple Creek basing during the early morning hours of 6/20. The heavy rain caused Maple Creek to flood farm fields and a few county roads later that day, especially near and west of Nickerson where the creek climbed about a foot above its 10 foot flood stage.				
Supercell Thunderstorms developed in a short line from southeast Nebraska into southwest Iowa during the late evening of June 19th. The storms formed near a weak warm front that separated dew point temperatures in the lower 70s south of the boundary with slightly drier conditions to the north. The storms produced mainly large hail and at least one tornado on the Iowa and Missouri Border north of Tarkio Missouri. A little later that night another line formed along and a little south of Highway 30 from around Columbus into western Iowa. These storms produced strong winds, a few large hail reports and a band of heavy rain of 2 to 3 inches.				

JEFFERSON COUNTY --- 0.9 NW ENDICOTT [40.09, -97.11]

06/20/11 16:53 CST	0	Hail (1.25 in)
06/20/11 16:54 CST	0	Source: Emergency Manager

Hail up to half dollar-size covered the ground southeast of Fairbury.

JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18]

06/20/11 17:45 CST	0	Hail (0.75 in)
06/20/11 17:45 CST	0	Source: Emergency Manager

PLATTE COUNTY --- 1.2 ESE MONROE [41.47, -97.60]

06/20/11 17:49 CST	0	Thunderstorm Wind (EG 52 kt)
06/20/11 17:49 CST	0	Source: Emergency Manager

Thunderstorm winds were estimated at around 60 mph in the Monroe area. The supercell that caused the strong winds earlier produced a tornado south of the region.

PLATTE COUNTY --- 1.2 ESE MONROE [41.47, -97.60]

06/20/11 17:57 CST	0	Hail (1.00 in)
06/20/11 17:57 CST	0	Source: Emergency Manager

From the same storm that earlier produced a tornado south of the region and also caused a wind gust estimated at 60 mph in the area.

PLATTE COUNTY --- 2.8 N SHELDONVILLE [41.49, -97.42]

06/20/11 18:00 CST	0	Funnel Cloud
06/20/11 18:00 CST	0	Source: Emergency Manager

An off duty law enforcement officer observed a rotating wall cloud and funnel northwest of Columbus. The storm that produced this dropped a tornado south of the county a little earlier and did damage north of here in Madison and Pierce counties several minutes later.

MADISON COUNTY --- 0.5 N (OFK)STEFAN FLD NORF [41.99, -97.43], 1.5 N NORFOLK [42.05, -97.42]

06/20/11 18:06 CST	0	Thunderstorm Wind (MG 55 kt)
06/20/11 18:30 CST	0	Source: ASOS

A thunderstorm gust of 63 mph was measured by Asos at the Norfolk Stefan Airport. The strong winds downed trees which in turn downed power lines and caused vehicle and house damage in town. Small hail also covered the ground in parts of town.

ANTELOPE COUNTY --- 2.9 NW ELGIN [42.01, -98.11], OAKDALE [42.07, -97.97]

06/20/11 18:10 CST	0	Thunderstorm Wind (EG 61 kt)
06/20/11 18:20 CST	0	Source: Law Enforcement

Law enforcement estimated thunderstorm wind gusts hit 70 mph near Oakdale. The strong winds extended from northwest of Elgin into the Oakdale area and flipped numerous center pivots in Antelope county, with at least 40 to 45 systems destroyed and 12 to 14 grain bins severely damaged as well. Tree damage was also noted in the area.

PLATTE COUNTY --- 1.7 WNW PLATTE CENTER [41.54, -97.53]

06/20/11 18:10 CST	0	Hail (1.75 in)
06/20/11 18:10 CST	0	Source: Emergency Manager

From the same supercell thunderstorm that produced a tornado south of the area.

PIERCE COUNTY --- 2.8 SE PIERCE [42.18, -97.48], 1.8 SW MC LEAN [42.35, -97.50]

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/20/11 18:27 CST		0	Tornado (EF1, L: 12.04 mi , W: 400 yd)
	06/20/11 18:40 CST		0	Source: NWS Storm Survey

An EF1 tornado was determined to cause damage from southeast of Pierce to east of Osmond. The initial damage from the tornado was noted near 522nd Avenue and 852nd Street where trees were uprooted. The tornado tracked north northwest striking a farm after it crossed Highway 98 destroying farm outbuildings and uprooting trees in the area. The tornado uprooted or caused other tree damage along its path and destroyed other farm outbuildings and flipped center pivots. In one area along its path the track became visible in a corn field. Some power poles were downed and in one case farm equipment was tossed over 300 yards while another farmstead had its debris carried nearly a quarter of a mile to the northwest. In addition, a steel bin was blown about 300 feet onto Highway 81 near the Jct. with Old Highway 98 where a car hit it injuring a man and totaling his car. A small part of a roof of a home of another farmstead was removed. A large chicken barn near Old Highway 98 had its roof blown off. The tornado appeared to weaken as it moved north toward 864th Road overturning more pivots and producing tree damage before ending near that area.

ANTELOPE COUNTY --- 0.5 E ROYAL [42.33, -98.12]

06/20/11 18:30 CST	0	Thunderstorm Wind (EG 55 kt)
06/20/11 18:30 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph blew tree debris onto Highway 20 near Royal.

ANTELOPE COUNTY --- 4.9 S CLEARWATER [42.10, -98.19], 1.1 S CLEARWATER [42.15, -98.18]

06/20/11 18:30 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 18:30 CST	0	Source: Trained Spotter

Thunderstorm winds estimated at close to 70 mph tore apart a farm outbuilding south of Clearwater.

PLATTE COUNTY --- 0.9 NE HUMPHREY [41.69, -97.49]

06/20/11 18:30 CST	0	Hail (2.00 in)
06/20/11 18:30 CST	0	Source: Public

Hail, a few stones a little bigger than golfball-size, fell in the Humphrey area. There were some reports of baseball-size and larger stones in the area as well, although the larger stones were apparently few and far between and not confirmed. Some vehicle and crop damage was noted in the region.

PIERCE COUNTY --- 4.5 SW PIERCE [42.15, -97.59], 2.9 NW PIERCE [42.23, -97.57]

06/20/11 18:35 CST	0	Thunderstorm Wind (EG 65 kt)
06/20/11 18:41 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 70 mph caused significant tree and outbuilding damage from around 2 miles southwest of Willow Lake through Pierce and a little northwest of town. A house also lost part of its roof south of Willow Lake. Downed power lines also caused loss of power in the area. The damage could have been from a possible tornado that a NWS storm assessment team determined to track near this area.

MADISON COUNTY --- 3.5 S MADISON [41.78, -97.46]

06/20/11 18:38 CST	0	Hail (1.75 in)
06/20/11 18:38 CST	0	Source: Trained Spotter

Golf ball-size hail fell from a thunderstorm that trailed the supercell that brought wind gusts of over 60 mph to the region.

GAGE COUNTY --- 0.9 SW ADAMS [40.46, -96.51]

06/20/11 18:40 CST	0	Thunderstorm Wind (EG 55 kt)
06/20/11 18:43 CST	0	Source: Fire Department/Rescue

Thunderstorm wind gusts estimated at over 60 mph downed several trees and power lines near Adams.

SAUNDERS COUNTY --- 0.9 SE ASHLAND [41.04, -96.37]

06/20/11 18:40 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 18:44 CST	0	Source: Emergency Manager

Thunderstorm winds estimated at around 70 mph downed dozens of trees or large limbs in the Ashland area including some 2 feet in diameter. Around 40 headstones at the Ashland Cemetery were knocked over by fallen trees or limbs. Some building damage was noted in town as well.

CEDAR COUNTY --- 0.9 NE MAGNET [42.46, -97.47]

06/20/11 18:50 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 18:50 CST	0	Source: Fire Department/Rescue

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Thunderstorm wind gusts estimated at close to 70 mph downed several trees in Magnet and moved a building off of its foundation northwest of town . The downed trees also downed power lines causing a power outage in the area.				
KNOX COUNTY --- 1.7 WNW BLOOMFIELD [42.61, -97.66], 0.7 WNW WAUSA [42.50, -97.54]				
	06/20/11 18:50 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 18:55 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at around 70 mph downed trees and did farm outbuilding damage from around Wausa to near Bloomfield . Downed trees also caused some home damage in the area.				
SAUNDERS COUNTY --- 0.5 E MEAD [41.23, -96.49]				
	06/20/11 18:55 CST		0	Thunderstorm Wind (MG 61 kt)
	06/20/11 18:58 CST		0	Source: Trained Spotter
A spotter estimated a thunderstorm wind gust reached close to 70 mph in the Mead area.				
SAUNDERS COUNTY --- 0.7 S YUTAN [41.24, -96.40]				
	06/20/11 18:55 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 18:55 CST		0	Source: NWS Employee
A thunderstorm wind gust estimated at close to 70 mph downed 15 inch in diameter trees near Yutan.				
DOUGLAS COUNTY --- 0.7 S LANE [41.24, -96.18], 0.6 SW ELK CITY [41.36, -96.29]				
	06/20/11 18:58 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 18:58 CST		0	Source: Trained Spotter
Thunderstorm winds estimated at around 70 mph blew the siding off of a house near Elkhorn and also caused barn and other building damage in the area . A pickup truck was crushed by a metal building that flew into it . This was from a storm that brought a measured wind gust of 72 mph at the NWS in Valley and also caused wind damage in parts of Omaha.				
DOUGLAS COUNTY --- 0.9 W VALLEY [41.32, -96.37], 1.1 S VALLEY [41.30, -96.35]				
	06/20/11 18:59 CST		0	Thunderstorm Wind (MG 63 kt)
	06/20/11 18:59 CST		0	Source: Official NWS Observations
A thunderstorm wind gust was measured at 72 mph at the NWS office near Valley. The winds knocked down power poles along Meigs Street west of Highway 275 in Valley.				
CEDAR COUNTY --- 3.0 ENE MAGNET [42.47, -97.43], 0.5 E HARTINGTON [42.62, -97.26]				
	06/20/11 19:00 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/11 19:05 CST		0	Source: Emergency Manager
Thunderstorm winds estimated at around 70 mph downed trees and power lines in the Hartington area causing power outages.				
DODGE COUNTY --- 2.4 SE FREMONT [41.42, -96.47], 1.1 SSE NICKERSON [41.52, -96.47]				
	06/20/11 19:00 CST		0.28M	Tornado (EF1, L: 6.45 mi , W: 700 yd)
	06/20/11 19:08 CST		0	Source: NWS Storm Survey
A NWS survey team determined a tornado tracked through the eastern and northern sections of Fremont before lifting a little north northeast of town . The tornado touched down near the intersection of old Highway 275 and Morningside Road and progressed north generally east of Lincoln Street. The tornado uprooted or snapped numerous trees, damaged a few homes and severely damaged a garage along its path. One vehicle was flipped over while other vehicles and homes sustained damage from fallen trees. The YMCA sustained major roof damage. A few power poles were snapped near and north of 23rd Street and center pivot was damaged on the north side of town before the tornado lifted. The path length was determined to be a little over 6 miles while the average width of the damage path was around 700 yards. As of late June the damage in town was estimated at a little over a quarter of million dollars.				
KNOX COUNTY --- 1.0 W CROFTON [42.73, -97.50]				
	06/20/11 19:03 CST		0	Thunderstorm Wind (EG 60 kt)
	06/20/11 19:03 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at close to 70 mph downed a large tree onto Highway 12 near Crofton.				
DOUGLAS COUNTY --- 1.6 WNW BOYS TOWN [41.28, -96.16], 0.3 NNE (OMA)EPPELY FLD OMAH [41.30, -95.90]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/20/11 19:07 CST		0	Thunderstorm Wind (MG 60 kt)
	06/20/11 19:30 CST		0	Source: ASOS

A thunderstorm wind gust of 69 mph was measured by Asos at Omaha Eppley Airfield at 820 pm Cdt. The winds caused substantial tree damage in parts of town, notably near and east northeast of 156th and Blondo Streets, near Bennington and also in parts of midtown. Fences and outbuildings also sustained damage in those areas. Some other scattered tree damage was noted in town and power was knocked out to parts of town as well.

WASHINGTON COUNTY --- 2.7 WSW KENNARD [41.45, -96.25], 1.9 W BLAIR [41.55, -96.19]

06/20/11 19:09 CST	0	Tornado (EF1, L: 7.33 mi , W: 850 yd)
06/20/11 19:15 CST	0	Source: NWS Storm Survey

A tornado started 2 1/2 miles west-southwest of Kennard and moved north-northeast. The tornado dented in silos, snapped trees, and removed roofing off sheds. The tornado briefly reached EF1 strength west of Blair where a shed was severely damaged and trees were uprooted. The tornado ended about 2 1/2 miles west of Blair on Highway 91.

DODGE COUNTY --- 0.9 SE FREMONT [41.44, -96.49]

06/20/11 19:20 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 19:20 CST	0	Source: Public

Thunderstorm winds estimated at over 60 mph, perhaps caused by a tornado which was determined to cross the area, downed full size trees near Bell Street.

WASHINGTON COUNTY --- ARLINGTON [41.45, -96.37], 6.8 NE SPIKER [41.68, -96.21]

06/20/11 19:30 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 19:30 CST	0	Source: Newspaper

Thunderstorm winds estimated at over 60 mph caused scattered tree and farm outbuilding damage from around Arlington through the Herman area.

THURSTON COUNTY --- 0.9 NE ROSALIE [42.06, -96.51]

06/20/11 19:35 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 19:35 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at close to 70 mph downed many trees in the Rosalie area.

BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22]

06/20/11 19:36 CST	0	Thunderstorm Wind (MG 52 kt)
06/20/11 19:36 CST	0	Source: ASOS

The Asos at Tekamah measured a thunderstorm wind gust of 60 mph.

CASS COUNTY --- 0.5 W MURRAY [40.92, -95.93]

06/20/11 19:50 CST	0	Thunderstorm Wind (EG 52 kt)
06/20/11 19:50 CST	0	Source: Fire Department/Rescue

A thunderstorm wind gust estimated at around 60 mph was observed in the Murray area.

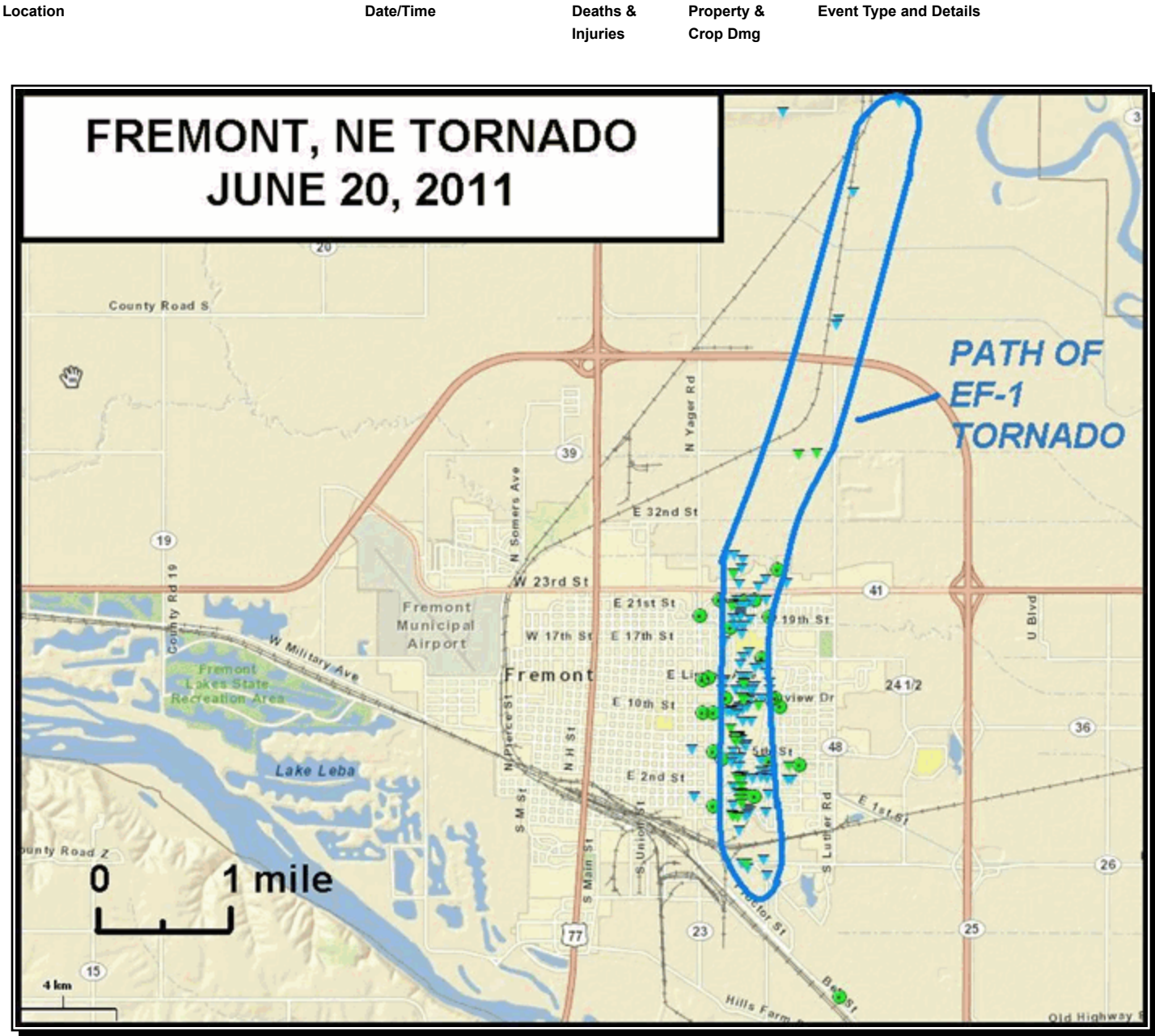
THURSTON COUNTY --- 0.7 N WINNEBAGO [42.24, -96.47]

06/20/11 20:00 CST	0	Thunderstorm Wind (EG 60 kt)
06/20/11 20:00 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at around 70 mph downed or broke numerous trees in the Winnebago area.

A large upper level low pressure system moved from northwest Kansas into south central Nebraska during the late afternoon and evening of June 20. Temperatures and dew point temperatures ahead of the low climbed to around 90 and lower 70s respectively near and south of a warm front that extended east northeast from low pressure in southwest Nebraska. Strong levels of wind shear combined with the high instability to produce several spiral bands of embedded supercell thunderstorms that produced fairly widespread wind damage and at least 2 tornadoes across the region.

Storm Data and Unusual Weather Phenomena - June 2011



Damage map of the EF-1 tornado that struck Fremont on June 20th. The survey was conducted by the NWS office in Valley, NE. The triangles indicate damage points.

DOUGLAS COUNTY --- 2.0 ENE GIBSON [41.27, -95.94], 2.3 ENE GIBSON [41.26, -95.93], 2.5 NE GIBSON [41.27, -95.93], 2.2 NE GIBSON [41.27, -95.94]				
	06/25/11 04:12 CST	2K		Flash Flood (due to Heavy Rain)
	06/25/11 06:12 CST	0		Source: Law Enforcement
Rainfall of 2 to 3 inches fell in the Omaha downtown area in a few hour period. This caused flash flooding of some streets in the region and blew some manhole covers off near 10th and Mike Fahey Streets. Two to 3 feet of water was observed between 11th and 14th and Nicholas Streets for a while. A local business in the area reported water entered their building's boiler room.				
Thunderstorms developed in central Nebraska on the nose of a low level jet that fed unstable air into eastern Nebraska. These thunderstorms tracked east across east central Nebraska during the late night hours of June 25th and produced a narrow band of 2 to 3 inch rainfall from near David City through Omaha and Council Bluffs. The rain fell in a several hour period and produced isolated flash flooding, mainly in the Omaha area.				
ANTELOPE COUNTY --- 0.5 W CLEARWATER [42.17, -98.19]				
	06/26/11 16:45 CST	0		Thunderstorm Wind (EG 52 kt)
	06/26/11 16:45 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter reported thunderstorm wind gusts reached around 60 mph in the Clearwater area. The winds also were accompanied by torrential rain which caused some brief minor flooding of roads in the area.				

ANTELOPE COUNTY --- 1.5 NNE ROYAL [42.35, -98.12]

06/26/11 16:45 CST	0	Hail (1.00 in)
06/26/11 16:45 CST	0	Source: Law Enforcement

ANTELOPE COUNTY --- NELIGH [42.13, -98.03]

06/26/11 17:05 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 17:05 CST	0	Source: Law Enforcement

Thunderstorm wind gusts were estimated at around 60 mph by law enforcement in the Neligh area.

COLFAX COUNTY --- 2.1 S HOWELLS [41.69, -97.00]

06/26/11 17:20 CST	0	Hail (1.00 in)
06/26/11 17:20 CST	0	Source: Public

Hail up to quarter-size fell a little south of Howells.

MADISON COUNTY --- 2.7 SE MEADOW GROVE [42.00, -97.70], 1.9 WNW NORFOLK SIMPSON ARPT [41.99, -97.50]

06/26/11 17:25 CST	0	Thunderstorm Wind (EG 80 kt)
06/26/11 17:35 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 80 mph caused significant tree damage in the Battle Creek area which in turned caused building and vehicle damage. Nearly half the streets in town were impassable because of fallen trees, and at least 10 houses and cars sustained significant damage due to the fallen trees. Power was also knocked out in the area. The damage path stretched both west and east of town.

CUMING COUNTY --- WEST PT [41.83, -96.72]

06/26/11 17:26 CST	0	Heavy Rain
06/26/11 18:26 CST	0	Source: Newspaper

More than an inch and half of rain fell in less than 1 hour and caused some street flooding in the West Point area which stalled out at least one car.

ANTELOPE COUNTY --- TILDEN [42.05, -97.83]

06/26/11 17:30 CST	0	Thunderstorm Wind (EG 65 kt)
06/26/11 17:30 CST	0	Source: Newspaper

Thunderstorm wind gusts estimated at over 70 mph caused extensive tree damage in Tilden. Some of the fallen trees caused vehicle and home damage in the area.

CEDAR COUNTY --- RANDOLPH [42.38, -97.35], BELDEN [42.42, -97.20]

06/26/11 17:30 CST	0	Heavy Rain
06/26/11 18:30 CST	0	Source: Law Enforcement

Rainfall of several inches fell in around an hour or so. The heavy rain caused some brief minor flooding across Highway 20 and also across some farm fields.

MADISON COUNTY --- 0.6 N (OFK)STEFAN FLD NORF [41.99, -97.43], 1.0 W NORFOLK [42.03, -97.44]

06/26/11 17:35 CST	0	Thunderstorm Wind (MG 69 kt)
06/26/11 17:40 CST	0	Source: ASOS

A thunderstorm wind gust of 79 mph was measured by the Asos a little south of Norfolk. These strong winds caused tree, vehicle and some home damage in the area. A camping trailer was flipped over and a hospital in the area sustained some roof damage in the region as well. Most of the damage was on the south part of town or south of town.

STANTON COUNTY --- 0.5 E STANTON [41.95, -97.22]

06/26/11 17:35 CST	0	Thunderstorm Wind (EG 55 kt)
06/26/11 17:35 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph downed some large tree limbs in the Stanton area.

ANTELOPE COUNTY --- 2.6 NE CLEARWATER [42.20, -98.15]

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/26/11 17:40 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/11 17:40 CST		0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph downed some large trees in the area. In addition, torrential rain caused some brief minor flooding of a county road.

ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]

06/26/11 17:42 CST	0	Heavy Rain
06/26/11 17:42 CST	0	Source: Trained Spotter

Rainfall of 1.61 inches fell in 45 minutes. The heavy rain produced some brief minor flooding.

ANTELOPE COUNTY --- 3.8 SE ELGIN [41.94, -98.03]

06/26/11 17:45 CST	0	Thunderstorm Wind (EG 55 kt)
06/26/11 17:45 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph downed several large trees in the area.

PIERCE COUNTY --- 2.6 ESE MC LEAN [42.36, -97.43]

06/26/11 17:45 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 17:45 CST	0	Source: Trained Spotter

A spotter estimated thunderstorm winds reached around 60 mph near the junction of Highways 81 and 20.

STANTON COUNTY --- PILGER [42.02, -97.05]

06/26/11 17:45 CST	0	Thunderstorm Wind (EG 50 kt)
06/26/11 17:45 CST	0	Source: Newspaper

Thunderstorm wind gusts estimated at around 60 mph downed large trees limbs in the Pilger area which in turn caused damage to a car and camper.

STANTON COUNTY --- 9.2 NW STANTON [42.06, -97.33]

06/26/11 17:46 CST	0	Thunderstorm Wind (EG 65 kt)
06/26/11 17:46 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 70 mph caused significant house damage when the winds caught a garage just right lifting the roof off of it and part of the home.

CEDAR COUNTY --- 0.5 W RANDOLPH [42.38, -97.36]

06/26/11 17:48 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/11 17:48 CST	0	Source: Trained Spotter

A spotter estimated thunderstorm winds reached at least 60 mph in the Randolph area.

CEDAR COUNTY --- COLERIDGE [42.50, -97.20]

06/26/11 17:55 CST	0	Thunderstorm Wind (EG 55 kt)
06/26/11 17:55 CST	0	Source: Newspaper

Thunderstorm wind gusts estimated at over 60 mph caused some tree and house damage in the Coleridge area. The time was estimated based on radar and surrounding reports.

CUMING COUNTY --- 4.2 W WISNER [41.99, -97.01]

06/26/11 17:55 CST	0	Thunderstorm Wind (EG 61 kt)
06/26/11 17:55 CST	0	Source: Emergency Manager

Emergency Management estimated thunderstorm wind gusts hit 70 mph a little west of Wisner.

CUMING COUNTY --- 0.9 NE WEST PT [41.84, -96.71]

06/26/11 17:56 CST	0	Hail (1.50 in)
06/26/11 17:56 CST	0	Source: Emergency Manager

Hail up to ping pong ball-size was reported in the West Point area.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CEDAR COUNTY --- LAUREL [42.43, -97.08]				
	06/26/11 17:58 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/11 17:58 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph downed numerous large tree limbs in town. The time was estimated based on radar and surrounding reports.				
WAYNE COUNTY --- CARROLL [42.28, -97.18]				
	06/26/11 18:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/11 18:00 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph caused significant tree damage in the Carroll area.				
THURSTON COUNTY --- THURSTON [42.18, -96.70]				
	06/26/11 18:12 CST		0	Thunderstorm Wind (EG 52 kt)
	06/26/11 18:12 CST		0	Source: Trained Spotter
Thunderstorm winds estimated at around 60 mph downed small branches in the area.				
ANTELOPE COUNTY --- 0.5 E ROYAL [42.33, -98.12]				
	06/26/11 18:30 CST		0	Heavy Rain
	06/26/11 18:30 CST		0	Source: Law Enforcement
Rainfall of a little over 2 inches fell in less than 1 hour. The heavy rain reduced visibilities to near zero and caused some brief minor flooding in the area.				
BURT COUNTY --- OAKLAND [41.83, -96.47]				
	06/26/11 18:30 CST		0	Thunderstorm Wind (EG 60 kt)
	06/26/11 18:30 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at around 70 mph caused significant tree and power line damage in the Oakland area.				
BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22]				
	06/26/11 18:43 CST		0	Thunderstorm Wind (MG 60 kt)
	06/26/11 18:43 CST		0	Source: ASOS
A thunderstorm wind gust of 69 mph was measured by the Tekamah Asos.				
(NE-Z018) WAYNE				
	06/26/11 18:55 CST		0	High Wind (MAX 51 kt)
	06/26/11 18:55 CST		0	
SEWARD COUNTY --- 1.3 ESE KRUTZ ARPT [40.91, -97.06]				
	06/26/11 19:11 CST		0	Hail (1.00 in)
	06/26/11 19:11 CST		0	Source: Law Enforcement
The hail was accompanied by wind gusts estimated at 60 mph.				
SEWARD COUNTY --- 2.0 E SEWARD [40.90, -97.06]				
	06/26/11 19:11 CST		0	Thunderstorm Wind (EG 52 kt)
	06/26/11 19:11 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at 60 mph were accompanied by hail up to quarter-size near Seward.				
SEWARD COUNTY --- 3.5 SE GARLAND [40.91, -96.94]				
	06/26/11 19:18 CST		0	Hail (1.00 in)
	06/26/11 19:18 CST		0	Source: Emergency Manager
LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]				
	06/26/11 19:36 CST		0	Hail (1.75 in)
	06/26/11 19:40 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to golf ball-size was reported in the Lincoln area. A report of 1.5 inch hail was observed at 54th and Knox Streets. Some tree damage was also noted in town due to thunderstorm wind gusts estimated at 55 to 60 mph. A 56 mph gust was recorded by Asos at the Lincoln Airport.				
LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]				
	06/26/11 19:38 CST		0	Thunderstorm Wind (EG 50 kt)
	06/26/11 19:38 CST		0	Source: Emergency Manager
Thunderstorm winds estimated at around 60 mph downed a tree near 48th and Holdrege. Hail up to golf ball-size was reported from the storm in the Lincoln area as well.				
SALINE COUNTY --- 0.5 W CRETE [40.63, -96.96]				
	06/26/11 19:39 CST		0	Hail (0.88 in)
	06/26/11 19:39 CST		0	Source: Trained Spotter
SALINE COUNTY --- 0.5 W CRETE [40.63, -96.96]				
	06/26/11 19:44 CST		0	Hail (1.25 in)
	06/26/11 19:44 CST		0	Source: Trained Spotter
GAGE COUNTY --- 2.7 ENE CORTLAND [40.51, -96.65]				
	06/26/11 20:25 CST		0	Hail (0.88 in)
	06/26/11 20:25 CST		0	Source: Trained Spotter
JOHNSON COUNTY --- 0.9 SW STERLING [40.46, -96.38]				
	06/26/11 20:40 CST		0	Hail (1.00 in)
	06/26/11 20:40 CST		0	Source: Trained Spotter
PAWNEE COUNTY --- 0.7 S STEINAUER [40.21, -96.23]				
	06/26/11 20:58 CST		0	Hail (1.50 in)
	06/26/11 20:58 CST		0	Source: Public
JOHNSON COUNTY --- 0.5 W TECUMSEH [40.37, -96.19]				
	06/26/11 21:10 CST		0	Hail (0.88 in)
	06/26/11 21:10 CST		0	Source: Fire Department/Rescue
JOHNSON COUNTY --- 0.5 W TECUMSEH [40.37, -96.19]				
	06/26/11 21:10 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/11 21:10 CST		0	Source: Fire Department/Rescue
Thunderstorm wind gusts estimated at over 60 mph downed large tree limbs and knocked the power out in the Tecumseh area.				
NEMAHA COUNTY --- 7.6 S JOHNSON [40.31, -96.00]				
	06/26/11 21:10 CST		0	Thunderstorm Wind (EG 60 kt)
	06/26/11 21:10 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at around 70 mph uprooted 2 large trees and destroyed a small 10 by 10 foot Garage south of Johnson.				
PAWNEE COUNTY --- 2.1 E BURCHARD [40.15, -96.31]				
	06/26/11 21:11 CST		0	Hail (2.00 in)
	06/26/11 21:11 CST		0	Source: Emergency Manager
PAWNEE COUNTY --- 0.7 S PAWNEE CITY [40.11, -96.15]				
	06/26/11 21:26 CST		0	Hail (1.00 in)
	06/26/11 21:26 CST		0	Source: NWS Employee
RICHARDSON COUNTY --- 0.5 W HUMBOLDT [40.17, -95.94]				
	06/26/11 21:35 CST		0	Hail (1.00 in)
	06/26/11 21:42 CST		0	Source: Trained Spotter
Hail up to quarter-size fell in the Humboldt area.				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
RICHARDSON COUNTY --- 4.2 S DAWSON [40.07, -95.83]				
	06/26/11 22:00 CST		0	Hail (1.50 in)
	06/26/11 22:00 CST		0	Source: NWS Employee
Hail up to 1.5 inches in diameter fell along with thunderstorm wind gusts of over 60 mph.				
RICHARDSON COUNTY --- 6.2 S DAWSON [40.04, -95.83]				
	06/26/11 22:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/11 22:00 CST		0	Source: NWS Employee
Thunderstorm wind gusts estimated at over 60 mph blew down a tree across Highway 75 a little south of the intersection of Highway 8. The winds were accompanied by hail which reached up to 1.5 inches in diameter.				
LANCASTER COUNTY --- 2.1 W LANCASTER [40.78, -96.71]				
	06/27/11 00:45 CST		0	Hail (1.25 in)
	06/27/11 01:00 CST		0	Source: Public
Hail up to half dollar-size fell from the second severe thunderstorm to hit the Lincoln area this night. The hail reportedly did little damage.				
CASS COUNTY --- 0.5 W NEHAWKA [40.83, -95.99]				
	06/27/11 01:15 CST		0	Hail (1.00 in)
	06/27/11 01:15 CST		0	Source: Public
SALINE COUNTY --- 5.5 NW CRETE [40.69, -97.02], 2.9 SW CRETE [40.60, -96.98], 1.4 S CRETE ARPT [40.60, -96.92], 4.2 N CRETE [40.69, -96.95]				
	06/27/11 07:30 CST		2K	Flood (due to Heavy Rain)
	06/27/11 17:00 CST		0	Source: Official NWS Observations
Rainfall of up to 4 inches fell in less than 12 hours across parts of the Big Blue River basin near Crete. The heavy rain caused the Big Blue River near Crete to flood on June 27th. The river at Crete crested a little under 19 feet during the afternoon of June 27th, flood stage is 18 feet. The flooding mainly affected farmland adjacent to the river along with a few county roads briefly affected as well.				
SALINE COUNTY --- 5.0 NE DORCHESTER [40.70, -97.05]				
	06/27/11 07:50 CST		0	Heavy Rain
	06/27/11 07:50 CST		0	Source: Public
Rainfall of around 4 inches fell across parts of Saline county this night. The heavy rain produced some minor flooding of the Big Blue River in the Crete area.				
An upper level disturbance that lifted across the Rockies and into the Dakotas sent a cold front across eastern Nebraska and southwest Iowa during the late evening and overnight hours of June 26th and 27th. In addition, a warm front extended ahead of the cold front near the Kansas border. Moderate to high amounts of instability and wind shear allowed several clusters of severe thunderstorms to race across the area both ahead of and along the cold front. Bowing segments across northeast Nebraska and west central Iowa produced areas of very strong damaging winds. Slower moving supercell thunderstorms that developed north of the warm front produced a few large hail and strong wind reports in southeast Nebraska along with very heavy rainfall.				

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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06/30/11 14:00 CST	0	Heat
06/30/11 19:00 CST	0	

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